SCIENCE

NEW SERIES. VOLUME XCV

JANUARY-JUNE, 1942

LANCASTER, PA.
THE SCIENCE PRESS
1942

THE SCIENCE PRESS PRINTING COMPANY
LANCASTER, PENNSYLVANIA

general
Wahr

CONTENTS AND INDEX

NEW SERIES. VOL. XCV—JANUARY TO JUNE, 1942

THE NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS

ABBOT, C. G., Smithsonian Institution and Internationalism in Science, 639
Absorption Vessel, R. E. GIRTON, 25
Academies: of Arts and Sciences, American, 320, 525; Medicine, New York, 188; Rochester, 14; of Science, Iowa, 651; Kansas, 628; New Hampshire, 21; North Carolina, 605; Tennessee, 48; Wisconsin, 605; National, 195, 285, 443, 475
Accelerator, Induction, 12
Acids: p-Aminobenzoic, F. H. JOHNSON, 104; Nicotinic, R. F. GRIGGS, 171; Amino, J. WACHTEL and H. G. CASSIDY, 233; D. D. VAN SLYKE, 259; Pyruvic, E. BUEDING, 282; Nucleic, A. M. BRUES, *et al.*, 558; p-Aminobenzoic, G. J. MARTIN and C. V. FISHER, 603; Urinary-Citric, E. SHORR, *et al.*, 606; Ascorbic, E. F. KOHMAN and D. R. PORTER, 608, M. E. REID and W. J. ROBBINS, 632; Pantothenic, T. C. and M. E. GROODY, 655
ADAIR, F. E. and J. H. FARROW, Orchidectomy and Skeletal Metastases, 654
ADAMS, C. F., Yellow Fever Mosquito, 19
ADELSON, D. E., Industrial Organization, 648
Advertisements in SCIENCE, O. W. CALDWELL, 224
Aeronautical Sciences, Institute of, 642
Air-Raid, Simple Alarm, R. T. HATT, 301
ALBANESE, A. A., and W. BUSCHKE, Tryptophane Deficiency in Rats, 584
ALLARD, H. A., Infectivity of Mosaic Virus, 479
ALLEE, W. C., Group Organization, Vertebrates, 289
ALLEN, C. E., Regeneration, Development and Genotype, 365
ALLISON, L. N., Trapping Snails, 131
American Association for the Advancement of Science, Dallas Meeting, *Addresses:* A. F. BLAKESLEE, 1; G. SCATCHARD, 27; J. T. PATTERSON, 153; W. D. STRONG, 179; W. H. CHANDLER, 563; *Dallas Meeting*, F. R. MOULTON, 133; Officers, 39; Registration, 134; Arthur H. Compton, President-elect, 134; Association Prize Award, 134; Resolution of Appreciation, 135; The Press, 135; Academy Conference, 135; Secretaries Conferences, 136; General Sessions, 136; Statistical Summary of Programs, 137; *Executive Committee*, 350; Bulletin, 356; *Section and Society Programs:* Mathematics, 138; Physics, 138; Chemistry, 139; Astronomy, 139; Geology and Geography, 140; Zoological Sciences, 140; Botanical Sciences, 141; Zoological and Botanical Sciences Combined, 144; Anthropology, 145; Psychology, 146; Economic Sciences, 146; Engineering, 147; Medical Sciences, 147; Dentistry, 148; Pharmacy, 148; Agriculture, 148; Education, 149; *General Scientific Organizations*, 149; Minutes of the Council, 150; Financial Reports, 151; Grants, 151; Science Exhibition, 152; Southwestern Division, 349; F. E. E. GERMANN, 556; Pacific Division, 376, 401
Anaerobes and Micro-aerophiles, H. BREWER, 587
ANDERSON, H. H., Narcotic Potency of Biurets, 254
ANDERSON, T. F., and H. LARDY, Invertase, 330
Andes, Life in the, C. MONGE, 79
Anesthetics, Nerve-Modulus, A. R. MCINTYRE, *et al.*, 24
Anoxia, J. M. JOHLIN, 325
Anthropological Survey of India, 570
Antibodies in Vitro, L. PAULING and D. H. CAMPBELL, 440
Antigen-Antibody Reaction, A. D. HERSHEY, 280
Antiseptics from Molds, 626
Archeology in Latin America, W. D. STRONG, 179
Artifacts, Human, and Fossil Mammals, M. F. A. MONTAGU, 380
ASENJO, C. F. and M. DEL C. C. DE FERNANDEZ, New Protease, 48
Awards, Prizes and Medals, 66, 92, 134, 165, 188, 245, 402, 549, 569, 642
Bacterial Flagella, G. KNAYSI, 406
Bailey, Dr. Liberty Hyde, in Hono: of, 116
Barley Root Cells and Ions, F. G. VIETS, JR., 486
Baths, Melting-Point, J. KAMLET, 308
BAUM, H. M., *et al.*, Riboflavin and Cataract, 24
BEARD, J. W., *et al.*, Papilloma Virus Protein, 230
BEATON, L. E. and H. W. MAGOUN, Intracranial Operations on the Monkey, 105
BEESE, N. C., Infrared Radiation, 614
BENJAMIN, B., Plasma Clot Suture of Nerves, 258
BERMAN, L. and B. RIESS, Insulin Shock and Learning in the White Rat, 511
Bermudas, Geological History, H. B. MOORE, 551
Biological, Laboratory at Woods Hole, Library, 14; Chemistry, G. SCATCHARD, 27; Future, Man's, A. M. WOODBURY, 121; Societies, F. A. BROWN, JR., 173; Temperature, Pressure and Narcotics, F. H. JOHNSON, *et al.*, 200; Marine, Station at Port Erin, 473
Biologists, Training of, P. WEISS, 32; Experimental, Meeting, 598
Biology, Experimental, Federation of Societies, 244; Quantitative, Cold Spring Harbor Symposium, 451; and Medicine in the War, J. E. HAWKINS, JR., 507
Biometricians, Western Meeting, 218
Biotin, in Butter Yellow Tumor Formation, V. DU VIGNEAUD, *et al.*, 174; Concentrate, and Egg White Injury, V. P. SYDENSTRICKER, *et al.*, 176
Bison Taylori, Extinction of, L. C. EISELEY, 646
BITTNER, J. J., Breast Tumors in Mice, 462
BLAKESLEE, A. F., Individuality and Science, 1
Blood, Cultures, M. LEVINE and H. SIEDENTOPF, 130; Coagulation of, H. J. TAGNON, 334
Blueberry Storage, F. B. CHANDLER, 603
BLUM, H. F., Neon Lights, 223
BODINE, E. W., Peach Mosaic Virus, 256
Botanical Garden, New York, 253; Hall at Carnegie, 347; Torrey, Club, 498; Brooklyn, 547
Botany, Golden Age of, E. N. TRANSEAU, 53; as a National Asset, J. M. COULTER, 278
BOYER, C. B., Babylonian Thermometry, 553
BRADFORD, F. C., Conserving Our Harvests, 465
BRAGG, A. N., Toads and Frogs After Rain, 194
BREWER, J. H., Anaerobes and Micro-aerophiles, 587
BRINKER, H. C., X-rays from Radio Tubes, 634
BROADHURST, J., Audience Enemies, 383
BRODY, S., Lactation and Body Weight, 485
BROWN, F. A., JR., Union of Biological Societies, 173
BRUES, A. M., *et al.*, Nucleic Acid and Growth, 558
BRUES, C. T., Poliomyelitis, Insect Carriers, 169
BUEDING, E., Insulin and Pyruvic Acid, 282
BURKHOLDER, P. R. and I. MCVEIGH, Pyridoxine, 127
BURTON, E. F., Case of Dr. S. Levine, 97

CALDWELL, O. W., Advertisements in SCIENCE, 224
Calendar Reform, W. E. CASTLE, 195; A. GUNDERSEN, 325
CALHOUN, S. L., Height of American Men, 529
CALLISON, E. C., Vitamin A Deficiency, 250
CAMPBELL, D. H., Plant Distribution, 69
Carcinogens, R. R. SPENCER and M. B. MELROY, 592
CARLSON, A. J., University and Present Crisis, 369
CARMICHAEL, L., Roster of Scientific Personnel, 86
Carnegie Institution, 73; Defense Work, 199
CARPENTER, C. C. and E. W. FRIEDLANDER, Vitamins in Fungi, 625
CARPENTER, G. D. H., Faunal Distribution, 325
Cartilage Calcification, A. B. GUTMAN, *et al.*, 461
CASEY, A. E., Epidemic of Poliomyelitis, 359
CASTER, K. E., Paleontological Collections, 454
CASTLE, W. E., Calendar Reform, 195
Cataract, and Riboflavin, H. M. BAUM, *et al.*, 24; and Tryptophane Deficiency, A. A. ALBANESE and W. BUSCHKE, 584

Cellulose, Cereal, E. R. HARDING, 234
CHANDLER, F. B., Blueberry Storage, 603
CHANDLER, W. H., Helping the Farmer, 563
CHANG, N. F. and H. L. RICHARDSON, Soil Fertility and Manuring in China, 601
CHELDELIN, V. H. and B. E. CHRISTENSEN, Mechanical Shaker, 257
Chemical: Abstracts, 244; Warfare Course, 400; Society, American, 401; C. L. Parsons, 482; Meeting at Memphis, 117; Technically Trained Chemists, 189; Professional Status of, 268; Examinations and Tests, 295; Cereal Chemists' Association, 451; Prizes, 549
CHENOWETH, L. B., Stature of Men, 648
Chimpanzees, Infant, H. W. NISSEN, 159
China, Fisheries Literature, W. F. THOMPSON, 195; Science Society, 597; Fertility and Manuring in, N. F. CHANG and H. L. RICHARDSON, 601
Chinese Scientific Society, 427
Chlorophyll-Protein Complex, M. FISHMAN and L. S. MOYER, 128
Chromosomes, Lampbrush, G. L. CLARK, *et al.*, 250
CICARDO, V. H. and A. TORINO, Potassium, 625
Civilian Defense, Appointments, 269
CLARK, G. L., *et al.*, Lampbrush Chromosomes, 250
CLARK, H. E. and K. R. KERNS, Phyto-hormones, 536
Climatic Changes from Timberline, R. F. GRIGGS, 515
Coagulase Test, E. J. FOLEY, 416
COBB, S., Tick Parasites, 503
COBURN, D. R., Type C Botulinus Toxin Fractions, 389
COCKERELL, T. D. A., British Graham Land Expedition, 123; Entomology and Warfare, 302
COGAN, D. G. and V. E. KINSEY, the Cornea, 607
Colloid, Symposium, 376
Color Blindness, K. DUNLAP and R. D. LOKEN, 554
Commonwealth Fund, Health Services of, 187
COMPTON, K. T., Elihu Thomson, 285
Congressional Apportionment, E. V. HUNTINGTON, 477; W. F. WILLCOX, 501
CONKLIN, E. G., American Philosophical Society, 39
COOK, H. J., Nitrogen Natural Gas Well, 223
COOPER, D. C. and R. A. BRINK, Hybridization, 75
Cornea, D. G. COGAN and V. E. KINSEY, 607
COURTS, F. A., Experimental Psychology at the University of Missouri, 275
Crab, Blue, Hatching of, M. S. LOCHHEAD, *et al.*, 382
CRESSEY, G. B., Siberian Resources for War, 264
CROSS, J. C., Controlling Termites, 433
CROSS, R., Fire Extinguisher, 275
CROXATTO, H. and R. CROXATTO, "Pepsitensis," 101
Crystallographic Society, C. FRONDEL, 20
Cuba, Flora of, 597
Cytochrome B_2, T. R. HOGNESS, *et al.*, 406

Dakin, H. D., Award of Davy Medal, 66
DALE, H., Anniversary Address of Royal Society, 34
DALLDORF, G., Audience Enemies, 383
DANFORTH, R. E., Penthestes and Calophya, 354
Darwinism, A Century of, C. P. STONE, 626
DAVIDSON, J. G., Weather Forecasts, 479
DAVIS, B. D., Binding on Sulfonamides, 78
DAVIS, S. H., JR., Seedling Conifers, 70
Defense Work, Carnegie Institution, 199; National, and Science, F. B. JEWETT, 235; Civilian, Appointments, 269; National, Metals in, Z. JEFFRIES, 443
Degrees, A. SILVERMAN, 354
DE MENT, J., Fluorochemistry, 407
Dentists, American College of, Grants, 268
DEUBER, C. G., Growth in Norway Spruce, 301
Diphenylpolyenes, Stereochemistry of, L. ZECHMEISTER and A. L. LEROSEN, 587
Diseases: Vascular, and Aging, H. S. SIMMS, 183; in Wartime, 530; Apple Scald, R. M. SMOCK and F. W. SOUTHWICK, 576
Doctors and Mr. McNutt, 626
Dog, Potassium and the Brain, V. H. CICARDO and A. TORINO, 625
DOYLE, W. L. and E. K. PATTERSON, Dipeptidase in a Protozoan, 206
Drosophila, and Speciation, J. T. PATTERSON, 153
Drug Control in India, 596
Drying, Vacuum, for the Frozen State, E. E. HAYS and F. C. KOCH, 633
DUBOIS, E. F., Reading Scientific Papers, 273
DUNHAM, W. B., Egg Inoculator for Virus Culture, 609
DUNLAP, K. and R. D. LOKEN, Color Blindness, 554
Duple, A Logarithmic Unit, P. SIMPLE, 45
DU VIGNEAUD, V., *et al.*, Biotin in Butter Yellow Tumor Formation, 174
Dynamics, E. KASNER and D. MITTLEMAN, 249

EAGLE, H. and R. B. HOGAN, Syphilis, 360
Education, Outlook for, 126
Educational Memorial, Rackham, 216
EDWARDS, T. I., Weight Deviation, 50
EISELEY, L. C., Extinction of Bison Taylori, 646
Electrochemical Society, 474
Electron Microscope, Committee on, 348
ELLIOTT, K. A. C., Per Cent., 123
Engineering, Students and War Industries, 320; and Sciences, H. M. HOWE, 326; College of New York University, 547; Education, Society for the Promotion, 643
Entomology, and Warfare, T. D. A. COCKERELL, 302; Commission on Nomenclature, 598
Epicure, Intuition of, W. A. PERLZWEIG, 530
Epilepsy, Experimental, H. MOUSSATCHÉ, 106
"Euthenics," Origin of Term, C. E. SEASHORE, 455
Evolution and Knowledge, W. E. RITTER, 58
Expedition, Field Museum, 115, 216; British Graham Land, T. D. A. COCKERELL, 123; of the New York Zoological Society, 450; South American, 597

Faunal Distribution, G. D. H. CARPENTER, 325
Ferritin and Apoferritin, S. GRANICK and L. MICHAELIS, 439
Fever, Spotted, H. PLOTZ and K. WERTMAN, 441
Field Museum of Natural History, 100, 115, 216, 629
Fig, Smyrna, W. L. JEPSON, 19
Filing Reprints, W. R. SINGLETON, 274
Finlay Institute of the Americas, 91
Fire, Extinguisher, R. CROSS, 275; Forest, 295, 450
FISHER, L. W., New England Field Geologists, 21
Fisheries, Literature for China, W. F. THOMPSON, 195
FISHMAN, M. and L. S. MOYER, Chlorophyll-Protein Complex, 128
Flora of Cuba, 597
Fluorine and Dog's Teeth, F. J. MCCLURE, 256
Fluorochemistry, J. DE MENT, 407
Flying, High Altitude, J. F. FULTON, 207
FOLEY, E. J., Coagulase Test and Dried Plasma, 416
Folsom-Yuma Problems, Symposium, L. L. RAY, 22
Food Technology, Institute of, 375
FORBES, T. R., Gonadal Activity in the Muskrat, 382
Forest Fires, 295, 450
FORRESTER, J. D. and H. W. THUNE, Model Geyser, 204
Foundations: Rockefeller, in Brazil, 19, Work in 1941, 407; Ella Sachs Plotz, 64; Nutrition, Inc., 64, 321, 427, 548; Infantile Paralysis, 65, 116; Finney-Howell, Research Fellowships, 320; Banting Research, V. E. HENDERSON, 329; Guggenheim Fellowships, 436
FRAENKEL-CONRAT, H. and H. M. EVANS, Hormones, 305
FRAMPTON, V. L., Tobacco Mosaic Virus, 232
FRAZIER, J. C., Kansas Academy of Science, 628
Frog, Heart, R. P. LINSTEAD and O. KRAYER, 332; Abundance After Rain, A. N. BRAGG, 194
FRONDEL, C., Crystallographic Society, 20; and E. L. PRIEN, Urinary Calculi, 431
Fruit Testing Cooperative, P. M. WAGNER, 171
FRUMKIN, A., An American University, 222
FULCHER, G. S., Grasshopper Problem in Mechanics, 577
FULTON, J. F., Physiology and High-Altitude Flying, 207; and T. C. RUCH, Primate Literature, 47

Funds: Lucius N. Littauer, 13; Commonwealth, 187; American College of Dentists, 268; American Academy of Arts and Sciences, 320; National Science, 581

Gager, C. S., Theaters, Gardens and Horticulture, 635
Galena, K. Ver Steeg, 223
Gamow, G. and J. A. Fleming, Washington Conference on Theoretical Physics, 579
Gastroliths, Morrison, W. L. Stokes, 18
Gates, R. R., Symbols for Human Genes, 17
Genetics Society of America, 91
Geological History of Bermudas, H. B. Moore, 551
Geologists, New England Field, L. W. Fisher, 21
Geology, Teachers, Association, 376; Military, from the Air, J. L. Rich, 543
Gerard, R. W., Higher Levels of Integration, 309
Germann, F. E. E., Southwestern Division, American Association, 556
Germination Tests, S. F. Trelease, 656
Gesell, A., Co-Twin Control, 446
Geyser, A Model, J. D. Forrester and H. W. Thune, 204
Gibbs, O. S., Graying of Hair, 576
Giddings, N. J., Immunity, 553
Gilson, W. E., Photoelectric Membrane Manometer, 513
Girton, R. E., Test-Tube Spiral Absorption Vessel, 25
Glycogen, Particulate, A. Lazarow, 49
Glycol Vapor in Air, T. T. Puck, 178
Goddard, H. H., Defense of the Kallikak Study, 574
Goetz, A., *et al.*, Self-Sterilizing Surfaces, 537
Goldschmidt, R., Sex-Determination, 120
Goodpasture, E. W., Virus Infection of Fetus, 391
Graduate, International, School Exchange, 570
Granick, S. and L. Michaelis, Ferritin and Apoferritin, 439
Grasshoppers, Problem in Mechanics, G. S. Fulcher, 577; Rearing, M. H. Haydak, 657
Grassland, Research in Great Britain, 641
Gravel Outwash, F. Leverett, 528
Great Britain: Royal Society, Address, H. Dale, 34; Agricultural Research, 37; Graham Land Expedition, T. D. A. Cockerell, 123; National Parks, 243; Royal Observatory at Cape of Good Hope, 294; Coming Harvest, 319; Paper Restrictions, 456; Grassland Research, 641
Green, R. G., Virus Adaptations, 602
Gregg, C. C., Field Museum, 100
Gregory, W. K., Bust of Henry Fairfield Osborn, 470
Griggs, R. F., Nicotinic Acid, 171; Climatic Changes of Mount Washington, 515
Groody, T. C. and M. E., Pantothenic Acid Deficiency, 655
Group Theory, G A. Miller, 96, 353
Growth, Norms of, E. B. Wilson, 112; Factor for Graphium, P. R. Burkholder and I. McVeigh, 127
Gundersen, A., Calendar Reform, 325
Gutman, A. B., *et al*, Cartilage Calcification, 461

Haas, H. F., *et al*, Carotenoid Pigments, Oil, 631
Hair, Graying of, O. S. Gibbs, 576
Hamilton, W. F., School of Medicine, Georgia, 456
Hamor, W. A., Researches at Mellon Institute, 458
Harding, E. R., Cereal Cellulose, 234
Harvests, Conserving, F. C. Bradford, 465
Hatt, R. T., Simple Air-Raid Alarm, 301
Hawkins, J. E., Jr., Biology and Medicine in War, 507
Haydak, M. H., Rearing Grasshoppers, 657
Hays, E. E. and F. C. Koch, Vacuum Drying in the Frozen State, 633
Heat Loss, J. H. Nelbach and L. P. Herrington, 387
Heck, N. H., Appointment, 270
Height of American Men, S. L. Calhoun, 529
Henderson, V. E., Banting Research Foundation, 329
Henderson, Y., Venopressor Mechanism, 539
Hershey, A. D., Antigen-Antibody Reaction, 280
Hildebrand, E. M., Stone-Fruit Virus, 52; and O. F. Curtis, Virus Symptoms in Leaves, 390
Histological Technique, V. Lubkin and M. Carsten, 633
Hoagland, H., Post-War Problems, 195
Hoelzel, F., Nutrition in History, 251
Hogness, T. R., *et al.*, Cytochrome B_2, 406
Hormones, H. Fraenkel-Conrat and H. M. Evans, 305; M. G. Mulinos and L. Pomerantz, 484; C. P. Rhoads, *et al.*, 534; H. E. Clark and K. R. Kerns, 536
Horticulture, Gardens and Theaters, C. S. Gager, 635
Hospital, Harvard Unit of U. S. Army, 163; New York, George F. Baker Pavilion, 523
Hubbard, J. C., Trends in Physics Teaching, 409
Hubble, E., Expanding Universe, 212
Humboldt Current, E. G. Mears, 433
Humidistat, Sensitive, W. O. Williams, 283
Huntington, E. V., Congressional Apportionment, 477
Huntsman, A. G., Return of a Marked Salmon, 381
Hypertension, Experimental, H. A. Schroeder, 306

Immunity, T. M. Rivers, 107; N. J. Giddings, 553
India, Drug Control in, 596
Industrial Organization, and Shell Development Company, 268; D. E. Adelson, 648; Research Institute, 38, 571
Insects, Stridulations of, H. D. Matthews, 324
Insulin, and Pyruvic Acid Formation, E. Bueding, 282; Shock, L. Berman and B. Riess, 511; Administration of, I. A. Mirsky, *et al.*, 583
Integration, Higher Levels of, R. W. Gerard, 309
Inventors' Council, 12
Invertase, T. F. Anderson and H. Lardy, 330
Iodine, Radioactive, A. S. Keston, *et al.*, 362

James River Drainage Area, S. S. Negus, 196
Jeans, J., Life on the Other Worlds, 589
Jeffries, Z., Metals in National Defense, 443
Jepson, W. L., Smyrna Fig, 19
Jewett, F. B., *et al.*, Committee on Scientific Publications, 166; Science in National Defense, 235
Johlin, J. M., Anoxia, 325
Johnson, F., Wheat Mosaic Virus, 610
Johnson, F. H., P-Aminobenzoic Acid Action, 104; *et al*, Temperature, Pressure and Narcotics, 200
Johnson, M. W., Feeding Habits of the Octopus, 477
Johnson, W. H. and E. G. S. Baker, Paramecium Multimicronucleata, Sterile Culture, 333

Kallikak Study, Defense of, H. H. Goddard, 574
Kamlet, J., Melting-Point Baths, 308
Kapitsa, P. L., Science and War, 396
Kasner, E. and D. Mittleman, Dynamics, 249
Keston, A. S., *et al.*, Iodine, 362
Knaysi, G., Bacterial Flagella, 406
Knox, A. S., Non-calcareous Microfossils, 307
Kodachrome Slides, 295
Kohman, E. F. and D. R. Porter, Ascorbic Acid in Plant Life, 608
Kruse, H. D., Vitamin A Deficiency, 623
Kunkel, L. O., False Blossom in Periwinkles, 252

Laboratory Equipment Regulations, 652
Lactation and Body Weight, S. Brody, 485
LaFond, E. C., Sea Level and Sand Movement, 193
Lamanna, C., Growth and Sulfanilamide, 304
Lane, C. T., Low Temperature Physics in USSR, 84
Langham, D. G., Tetraploids and Colchicine, 204
Lauffer, M. A., A Sensitive Check Valve, 363
Lazarow, A., Particulate Glycogen, 49
Leonian, L. H. and V. G. Lilly, Vitamin Synthesis, 658
Lepidoptera, Removing Scales from, A. H. Madden, 26
Lepkovsky, S., *et al.*, Pyridoxine Deficient Rats, 331
Leverett, F., Gravel Outwash, 528
Levine, M. and H. Siedentopf, Blood Cultures, 130
Levine, Dr. S., Case of, E. F. Burton, 97

LINSTEAD, R. P. and O. KRAYER, The Frog Heart, 332
LIU, S. H. and H. I. CHU, Renal Osteodystrophy, 388
LOCHHEAD, M. S., *et al.*, Hatching of Blue Crab, 382
LUBKIN, V. and M. CARSTEN, Dehydration, 633
LUCKE, J. B., Audience Enemies, 383

McCLUNG, L. S., Filing Reprints, 122
McCLURE, F. J., Fluorine and Dog's Teeth, 256
MACFARLANE, E. W. E., Sacral Spot in Bengal, 431
McILWAIN, H., Sulfanilamide, 509
McINTYRE, A. R., *et al.*, Anesthetics, 24
MACKNIGHT, R. H., Oil Between Slide and Condenser, 588
McNutt, P. V. and the Doctors, 626
MADDEN, A. H., Removing Scales from Lepidoptera, 26
Mammalogists, American Society of, 427
Mammals, Hall of North America, 348
Mankind, Welfare of, B. C. SMITH, 384
Manometer, Photoelectric Membrane, W. E. GILSON, 513
Man's Biological Future, A. M. WOODBURY, 121
Marine Biological Station at Port Erin, 473
MARTIN, G. J. and C. V. FISHER, Urethane and p-Aminobenzoic Acid, 603
Mathematical Competition, 426
MATTHEWS, H. D., Stridulations of Insects, 324
MAYER, C. F., Medical Literature, 43
MEARS, E. G., Humboldt Current, 433
Mechanics, Grasshopper Problem, G. S. FULCHER, 577
Medical Sciences: Museum at Rochester Academy, 14; Literature, C. F. MAYER, 43; Internships in New York, 92; Schools, 165; Industrial Service, New Haven, 187; New York Academy Inter-America Bureau, 188; Administration Corps of Army, 269; British Medical Journal, 456; Association, 620; Grants, 218; in Wartime, F. W. RANKIN, 611
Men, Height, S. L. CALHOUN, 529; Stature of, L. B. CHENOWETH, 648
Menstrual Cycle and Urinary Citric Acid, E. SHORR, *et al.*, 606
Metals in National Defense, Z. JEFFRIES, 443
Mice, Virus Producing Infection in, C. NIGG, 49; Rearing on Artificial Diet, L. K. ROGERS, *et al.*, 203; Breast Tumors in, J. J. BITTNER, 462
Microfossils, Non-calcareous, A. S. KNOX, 307
Microorganisms and Fertilizers, R. M. REINECKE, 487
MILLER, G. A., Group Theory, 96, 353
MIRSKY, I. A., *et al.*, Administration of Insulin, 583
MITCHELL, J. H., *et al.*, Rubber Analysis of Plants, 624
MITCHELL, S. A., Astronomy and the American Philosophical Society, 489
MONGE, C., Life in the Andes, 79
Monkey, Intracranial Operations on the, L. E. BEATON and H. W. MAGOUN, 105
MONTAGU, M. F. A., A Scientist at Peace and War, 71; Human Artifacts and Fossil Mammals, 380
MOORE, H. B., Geological History of Bermudas, 551
Mosquito, Yellow Fever, C. F. ADAMS, 19
MOULTON, F. R., American Association, at Dallas, 133
Mouse, Japanese Waltzing, E. SCHWARZ, 46
MOUSSATCHÉ, H., Experimental Epilepsy, 106
MULINOS, M. G. and L. POMERANTZ, Adrenal Cortical Hormones, 484
MULLEN, J. A., Wine-Fed Termites, 529
Museums: Medical, Rochester Academy of Medicine, 14; Field, 629; C. C. GREGG, 100; Expeditions, 115, 216; of Natural History, 295; A. P. OSBORN, 558; Kodachrome Slides, 295; Hall of North American Mammals, 348; Bust of Henry Fairfield Osborn, W. K. GREGORY, J. R. ANGELL, 470; Carnegie, Botanical Hall, 347; Bausch Hall of Science and History, Rochester, 619
Music, Science in, C. E. SEASHORE, 417
Muskrat, Gonadal Activity, T. R. FORBES, 382

NACHMANSOHN, D. and H. B. STEINBACH, Enzymes in Nerve Fibers, 76
Narcotic Potency of Biurets, H. H. ANDERSON, 254
National: Academy of Sciences, 475; and Calendar Reform, W. E. CASTLE, 195; Astrophysical Observatory of Mexico, 164; Defense, and Science, F. B. JEWETT, 235; Metals in, Z. JEFFRIES, 443; Foundation for Infantile Paralysis, 65, 116; Inventors Council, 12; Park Service, 269; Parks in Great Britain, 243; Research Council, 348, 524; Australian, 279; Roster of Scientific and Specialized Personnel, 12; L. CARMICHAEL, 86; Science Fund, 581; Tuberculosis Association, 115
Naturalists, Western Society, 92; American Society, 297
Nature Protection, Treaty on, 426
NEGUS, S. S., James River Drainage Area, 196
NELBACH, J. H. and L. P. HERRINGTON, Human Heat Loss, 387
Neon Lights, H. F. BLUM, 223
Nerves, Enzymes, D. NACHMANSOHN and H. B. STEINBACH, 76; Suture, I. M. TARLOV and B. BENJAMIN, 258
New York Medical Schools, 165
Nicotinic, Acid, R. F. GRIGGS, 171
NIGG, C., Virus Producing Infection in Mice, 49
NISSEN, H. W., Infant Chimpanzees, 159
Nitrogen Natural Gas Well, H. J. COOK, 223
Nucleic Acid and Growth, A. M. BRUES, *et al.*, 558
Nutrition, Foundation, Inc., 64, 321, 548; Grants, 427; Determination of History, F. HOELZEL, 251

Obituaries: Allen, Glover Morrill, A. H. CLARK, 266; Baker, Frank Collins, H. J. VAN CLEAVE, 568; Bragg, Sir William, W. F. G. SWANN, 595; Charles, Arthur Joseph, F. D. KERN, 617; Curtis, Heber D., K. BURNS, 161; Dodge, Raymond, C. E. SEASHORE, 472; Foote, Harry Ward, T. B. JOHNSON, 241; Fox, Herbert, J. H. AUSTIN, 425; Getman, Frederick Hutton, E. C. BINGHAM, 36; Hegner, Robert William, W. W. CORT, 373; Henderson, Lawrence Joseph, R. M. FERRY, 316; Just, Ernest Everett, F. R. LILLIE, 10; Lines, Charles William, Jr., 186; Lowy, Alexander, A. SILVERMAN, 62; Stafford, Orin F., F. L. SHINN, 62; McGeoch, John Alexander, C. E. SEASHORE, 293; McKibben, Paul Stilwell, J. McK. BROWN, 242; Merriam, C. Hart, Z. M. and M. W. TALBOT, 545; Parsons, Elsie Clews, F. BOAS, 89; Reighard, Jacob Ellsworth, A. F. SHULL, 344; Robertson, William Rees Brebner, R. K. NABOURS, 113; Scoville, W. L., P. A. FOOTE, 374; Smith, Frank, P. S. WELCH, 398; Talbot, Arthur Newell, F. E. RICHART, 495; Walsh, James J., A. MALLOCH, 522; Weiss, Soma, R. FITZ, 215; Wiegand, Karl M., L. KNUDSON, 449
Observatory, of the Buhl Planetarium, 13; National Astrophysical, Mexico, 164; Royal, 294
Octopus, Feeding Habits, M. W. JOHNSON, 478
Oil, Slide and Condenser, R. H. MACKNIGHT, 588; Mineral, Carotenoid Pigments, H. F. HAAS, *et al.*, 631
Orchidectomy, F. E. ADAIR and J. H. FARROW, 654
OSBORN, A. P., American Museum of Natural History, 558
Osborn, Henry Fairfield, Bust, W. K. GREGORY and J. R. ANGELL, 470
Osgood, Wilfred Hudson, Presentation to, 65
Oxygen and Wheat and Rice, D. L. TAYLOR, 129

PALMER, G. D., The Southern Association of Science and Industry, 533
PAPANICOLAOU, G. N., Vaginal Smears, Staining, 438
Paraffin, T. N. TAHMISIAN and E. H. SLIFER, 284
Paramecium Multimicronucleata, W. H. JOHNSON and E. G. S. BAKER, 333
Parasite, in Eel-Grass, C. E. RENN, 122
Parasites, Tick, S. COBB, 503
Parks, National, in Great Britain, 243; Service, 269
PARSONS, C. L., American Chemical Society, 482
PATTERSON, J. T., Drosophila and Speciation, 153
PAULING, L. and D. H. CAMPBELL, Antibodies in Vitro, 440
Peach Mosaic Virus, E. W. BODINE, 256
Penthestes and Calophya, R. E. DANFORTH, 354
"Pepsitensin," H. CROXATTO and R. CROXATTO, 101
Per Cent., K. A. C. ELLIOTT, 123
Periwinkles, False Blossom in, L. O. KUNKEL, 252
PERLZWEIG, W. A., Intuition of an Epicure, 530
Petri Dish Holder, W. H. WESTON, 415
PETTERSTON, H., Royal Society of Göteborg, 456

Phi Lambda Upsilon, 244
Philosophical, Society, American, E. G. CONKLIN, 39, 377, 525; Astronomy, S. A. MITCHELL, 489
Photographs, Illusion of Depth, I. REHMAN and G. J. NOBACK, 463
Physicians, for Government Services, 347
Physics, in Nazi Germany, W. M. VENABLE, 70; Low Temperature, in USSR, C. T. LANE, 84; Teaching, in, J. C. HUBBARD, 409; American Institute of, 508; Theoretical, G. GAMOW and J. A. FLEMING, 579
Phytopathological Society, 548
Pigments, Carotenoid, H. F. HAAS, *et al.*, 631
PIKE, F. H., Credidmus, Jovem Regnare, 432
Plants, Distribution, D. H. CAMPBELL, 69; Flowering, Hybridization, D. D. COOPER and R. A. BRINK, 75; Breeding Programs and Disease, N. E. STEVENS, 313; Life, Ascorbic Acid in, E. F. KOHMAN and D. R. PORTER, 608
PLOTZ, H. and R. REAGAN, Street Virus of Rabies, 102; and K. WERTMAN, Spotted Fever, 441
Pneumonia, Producing Virus in Mice, 49
Poliomyelitis, C. T. BRUES, 169; A. B. SABIN and R. WARD, 300; A. E. CASEY, 359
Polish Institute of Arts and Sciences, 547
Potassium and the Brain of the Dog, V. H. CICARDO and A. TORINO, 625
POTTER, R. D., Presentation of Reports, 503
Primate Literature, T. C. RUCH and J. F. FULTON, 47
Protease, New, C. F. ASENJO and M. DEL C. C. DE FERNANDEZ, 48
Protozoan, Dipeptidase in a, W. L. DOYLE and E. K. PATTERSON, 206
Psychology, Experimental, J. E. WINTER, 96; at University of Missouri, F. A. COURTS, 275; in War Work, Yale University, 296
PUCK, T. T., Glycol Vapor in Air, 178
Pyridoxine, as a Growth Factor, P. R. BURKHOLDER and I. MCVEIGH, 127

Rabies, Street Virus, H. PLOTZ and R. REAGAN, 102
Radiation, Infrared, N. C. BEESE, 614
RANKIN, F. W., Medicinal Sciences in Wartime, 611
Rats: Susceptibility to Typhus, J. C. SNYDER and C. R. ANDERSON, 23; Cataract, Formation and Riboflavin, H. M. BAUM, *et al.*, 24; Tryptophane Deficiency, A. A. ALBANESE and W. BUSCHKE, 584; Rearing on Artificial Diet, L. K. ROGERS, *et al.*, 203; Pyridoxine Deficient, S. LEPKOVSKY, *et al.*, 331; Maze-Learning in, C. J. WARDEN and S. ROSS, 414; Insulin Shock and Learning in, L. BERMAN and B. RIESS, 511
RAY, L. L., Folsom-Yuma Problems, 22
Reading of Scientific Papers, E. F. DUBOIS, 273; J. B. LUCKE, G. DALLDORF, J. BROADHURST, 383; R. D. POTTER, 503
Reapportionment, Federal, E. V. HUNTINGTON, 477; W. F. WILLCOX, 501
Reducing Substances, Unfermentable, in Molasses, F. W. ZERBAN and L. SATTLER, 647
Regeneration, Development and Genotype, C. E. ALLEN, 365
Regnare, Credidmus Jovem, F. H. PIKE, 432
REHMAN, I. and G. J. NOBACK, Illusion of Depth in Photographs, 463
REID, M. E. and W. J. ROBBINS, Ascorbic Acid, 632
REINECKE, R. M., Microorganisms and Fertilizers, 487
Renal Osteodystrophy, S. H. LIU and H. L. CHU, 388
RENN, C. E., Parasite in Eel-Grass, 122
Reports, Scientific, R. D. POTTER, 503
Reprints, Filing, L. S. MCCLUNG, 122
Research: Agricultural, in Great Britain, 37; Industrial, Institute, 38, 571; Counsel, Canadian, 63; Archeology in Latin America, W. D. STRONG, 179; Council on Alcohol, 217; National Research Council Fellowships, 524; Australian, 279; Committee on Electron Microscope, 348; Fellowships, Finney-Howell Foundation, 320; Psychological Association, J. M. CATTELL, 326; Grants of Banting, Foundation, V. E. HENDERSON, 329; at Mellon Institute, W. A. HAMOR, 458; Scientific, in Sweden, 496; Fellows, Westinghouse, 571; Grassland, in Great Britain, 641
Respiration of Elodea, R. R. RONKIN and S. C. BROOKS, 231
Reviews, 71, 76, 99, 124, 172, 197, 225, 252, 303, 327, 384, 434, 457, 480, 504, 531, 554, 577, 604, 627, 649
Rhizobium Trifolii, J. L. ROBERTS and F. R. OLSON, 413
RHOADS, C. P., *et al.*, Steroid Hormone Excretion, 534
RICH, J. L., Military Geology from the Air, 543
RICKETT, H. W., "Stomates," 275
RITTER, W. E., Evolution and Knowledge, 58
RIVERS, T. M., Immunity to Virus Infections, 107
ROBERTS, J. L. and F. R. OLSON, Rhizobium Trifolii, 413
Rockefeller Foundation, 19; 407
ROE, J. H. and C. A. KUETHER, Vitamin C, 77
ROGERS, L. K., *et al.*, Rearing Mice, 203
RONKIN, R. R. and BROOKS, S. C., Respiration of Elodea, 231
ROSE, H. M. and C. L. FOX, JR., Sulfonamide Bacteriostasis, 412
Royal Society, Anniversary Address, H. DALE, 34; Award of Davy Medal to H. D. DAKIN; Elections to Fellowship, 402; of Göteborg, H. PETTERSTON, 456
Rubber Analysis of Plants, J. H. MITCHELL, *et al.*, 624
RUCH, T. C. and J. F. FULTON, Primate Literature, 47
RUDD, W. F., The Tasks Before Us, 422
Russian Interchange, 456

SABIN, A. B. and R. WARD, Poliomyelitis, 300
Sacral Spot in Bengal, E. W. E. MACFARLANE, 431
Salmon, Return of a Marked, A. G. HUNTSMAN, 381
SCATCHARD, G., Equilibrium Thermodynamics and Biological Chemistry, 27
SCHOLANDER, P. F., Microburette, 177
SCHROEDER, H. A., Experimental Hypertension, 306
SCHWARZ, E., Japanese Waltzing Mouse, 46
Science: Individuality and, A. F. BLAKESLEE, 1; Teaching, 38; in National Defense, F. B. JEWETT, 235; Twenty-five Years Ago, J. M. COULTER, 278; J. M. CATTELL, 326; H. M. HOWE, 326; Agricultural Impacts of the War, 302; Fund of the American Academy, 320; and War, 434; P. L. KAPITSA, 396; in Music, C. E. SEASHORE, 417; and Industry, Southern Association, W. F. RUDD, 422; G. D. PALMER, 533; Polish Institute, 547; Society of China, 427, 597; and History, Bausch Hall of, 619; Internationalism in, C. G. ABBOT, 639
Scientific, and Specialized Personnel, National Roster of, 12; L. CARMICHAEL, 86; Publications, Advisory Committee on, F. B. JEWETT, *et al.*, 166; Friendship, Sino-American, M. F. SHAFFER, 407; Research in Sweden, 496; Reports, Presentation of, R. D. POTTER, 503; Nomenclature in Entomology, 598
Sea Level, F. P. SHEPARD and E. C. LAFOND, 193
SEASHORE, C. E., Science in Music, 417; "Euthenics," Origin of Term, 455
Sedimentation, W. H. BUCHER, 619
Seedling, Conifers, S. H. DAVIS, JR., 70
Sex-Determination, R. GOLDSCHMIDT, 120
SHAFFER, M. F., Sino-American Friendship, 407
Shaker, Mechanical, V. H. CHELDELIN and B. E. CHRISTENSEN, 257
SHEPARD, F. P. and E. C. LAFOND, Sea Level, 193
SHORR, E., *et al.*, Urinary Citric Acid Excretion, 606
Sigma Xi, Address, Yale Chapter, J. F. FULTON, 207; Utah Chapter, 349
SILVERMAN, A., The College Year, 192; Degrees, 354
SIMMS, H. S., Problems of Aging, 183
SIMPLE, P., Duple—A Logarithmic Unit, 45
SINGLETON, W. R., Filing Reprints, 274
Sloth in Alaska, C. STOCK, 552
SMITH, B. C., Welfare of Mankind, 384
SMOCK, R. M. and F. W. SOUTHWICK, Apple Scald Disease, 576
Snails, Trapping, L. N. ALLISON, 131
SNYDER, J. C. and C. R. ANDERSON, European Typhus, 23

Societies and Associations: Biological, Union of, 173; Botanical of America, 53, 278; Cereal Chemists, 451; American Chemical, 117, 183, 189, 295, 482, 549; Crystallographic, 20; Electrochemical, 474; Engineering Education, 643; Federation for Experimental Biology, 244; Fern, 38; Genetics, 91; Geological of America, 264; Geology Teachers, 376; Horticultural Sciences, 465; Mammalogists, 427; Chinese, 427, 597; Naturalists, 92, 297; Pathologists and Bacteriologists, 428; American Philosophical, 39, 377, 489, 525; Phytopathological, 548; Royal, 34, 66, 402; Southern, of Science and Industry, 422, 533; Testing Materials, 473; Tuberculosis, 115; Standards, 296; New York Zoological, 450; San Diego Zoological, 451
Soil Fertility and Manuring in China, N. F. CHANG and H. L. RICHARDSON, 601
SPENCER, R. R. and M. B. MELROY, Species Adaptation, 592
Spruce, Norway, Growth in, C. G. DEUBER, 301
Standards, Association, 296; Society for Testing Materials, 473
STERNBERG, G. F. and G. M. ROBERTSON, A Pliocene Water-Hole, 97
STEVENS, N. E., Plant Breeding Programs, 313
STOCK, C., Ground Sloth in Alaska, 552
STOKES, W. L., Morrison Gastroliths, 18
Stomates, P. R. WHITE, 171; H. W. RICKETT, 275
STONE, C. P., A Century of Darwinism, 626
STRONG, W. D., Archeology in Latin America, 179
Sulfanilamides, H. MCILWAIN, 509; Growth Stimulation by, C. LAMANNA, 304; Binding of, B. D. DAVIS, 78; Bacteriostasis, H. M. ROSE and C. L. FOX, JR., 412
SYDENSTRICKER, V. P., *et al.*, Biotin Concentrate and Egg White Injury, 176
Syphilis, H. EAGLE and R. B. HOGAN, 360

TAGNON, H. J., Coagulation of Blood, 334
TAHMISIAN, T. N. and E. H. SLIFER, Staining Refractory Materials in Paraffin, 284
TAKAHASHI, W. N., Virus Inactivator from Yeast, 586
TARLOV, I. M., Plasma Clot Suture of Nerves, 258
Tasks Before Us, W. F. RUDD, 422
TAYLOR, D. L., Oxygen and Wheat and Rice, 129
Termites, J. C. CROSS, 433; J. A. MULLEN, 529
Tetraploids, Fertile, D. G. LANGHAM, 204
Thermometry, Influence of Babylonian, C. B. BOYER, 553
THOMPSON, W. F., Fisheries Literature for China, 195
Thomson, Elihu, K. T. COMPTON, 285
Tick Parasites, S. COBB, 503
Toxin Fractions, D. R. COBURN, 389; Formation, G. A. ZENTMYER, 512
TRANSEAU, E. N., Golden Age of Botany, 53
TRELEASE, S. F., Germination Tests, 656
Twin, Co-, Control, A. GESELL, 446
Typhus, European, J. C. SNYDER and C. R. ANDERSON, 23

Ultracentrifuge, with Plastic Rotor, K. G. STERN, 561
Universe, Expanding, E. HUBBLE, 212
Universities and Colleges: *Brown,* Mechanics at, 217; *Chicago,* Fiftieth Anniversary Addresses, T. M. RIVERS, 107; W. C. ALLEE, 289; D. D. VAN SLYKE, 259; R. W. GERARD, 309; C. E. ALLEN, 365; E. W. GOODPASTURE, 391; *Cincinnati,* Paleontological Collections, K. E. CASTER, 454; *Columbia,* Charles Frederick Chandler Award to R. R. and R. J. Williams, 245; *Cornell,* Gifts and Bequests, 474; *Georgia,* School of Medicine, W. F. HAMILTON, 456; *Harvard,* Unit, U. S. Army, General Hospital, 163; Report of the President of, 228; Wartime Service, 496; *Massachusetts Institute of Technology,* Educational Program, 90; *Missouri,* Experimental Psychology at, F. A. COURTS, 275; *New York,* Littauer Fund, 13; College of Engineering, 547; *Northwestern,* Technological Institute, 523, 619; *Yale,* Psychological War Work, 296; Report of Treasurer, 319
Urinary Calculi, C. FRONDEL and E. L. PRIEN, 431

Vaginal Smears, Staining, G. N. PAPANICOLAOU, 438
Valve, Sensitive Check, M. A. LAUFFER, 363
VAN SLYKE, D. D., Amino Acids, 259
Vaporizer, Quantitative, W. F. WELLS, 609
"Vegetable Dynamicks," P. R. WHITE, 520
VENABLE, W. M., Physics in Nazi Germany, 70
Venopressor Mechanism, Y. HENDERSON, 539
VER STEEG, K., Galena, 223
Vertebrates, Group Organization, W. C. ALLEE, 289
VIETS, F. G., JR., Barley Root Cells and Ions, 486
Virus: Producing Infection in Mice, C. NIGG, 49; Stone-Fruit, E. M. HILDEBRAND, 52; Rabies, H. PLOTZ and R. REAGAN, 102; Immunity, T. M. RIVERS, 107; Poliomyelitis, C. T. BRUES, 169; Protein, Papilloma, J. W. BEARD, *et al.,* 230; Tobacco Mosaic, Protein Particle, V. L. FRAMPTON, 232; Peach Mosaic, E. W. BODINE, 256; in Leaves, E. M. HILDEBRAND and O. F. CURTIS, 390; Infection of Fetus, E. W. GOODPASTURE, 391; Mosaic Infectivity of, H. A. ALLARD, 479; Chicken "Blue Comb" Diseases, E. F. WALLER, 560; Inactivator from Yeast, W. N. TAKAHASHI, 586; Adaptations, R. G. GREEN, 602; Culture, Inoculator and Teaser, W. B. DUNHAM, 609; Wheat Mosaic, F. JOHNSON, 610
Vitamins: Vitamin A, Deficiency, E. C. CALLISON, 250; for Color Blindness, K. DUNLAP and R. D. LOKEN, 554; Deficiency, H. D. KRUSE, 623; Vitamin C, J. H. ROE and C. A. KUETHER, 77; Pyridoxine as a Growth Factor, P. R. BURKHOLDER and I. MCVEIGH, 127; Vitamins in the Future, R. R. WILLIAMS, 335; R. J. WILLIAMS, 340; in Fungi, C. C. CARPENTER and E. W. FRIEDLANDER, 625; Synthesis by a Yeast, L. H. LEONIAN and V. G. LILLY, 658

WACHTEL, J. and H. G. CASSIDY, Amino Acids, 233
WAGNER, P. M., Fruit Testing Cooperative, 171
WALLER, E. F., Virus of "Blue Comb" Disease, 560
War: Postwar Problems, H. HOAGLAND, 195; Siberian Resources for, C. B. CRESSEY, 264; Psychology at Yale, 296; and Entomology, T. D. A. COCKERELL, 302; Impacts on Agricultural Science, 302; Engineering Students, 320; and the Universities, A. C. WILLARD, 372; and Science, P. L. KAPITSA, 396, 434; Chemical Warfare Course, 400; Harvard University, 496; Medicine and Biology, J. E. HAWKINS, JR., 507; Disease, 530; Medicine, F. W. RANKIN, 611
WARDEN, C. J., *et al.,* Maze-Learning Rat, 414
Water-Hole, Pliocene, G. F. STERNBERG and G. M. ROBERTSON, 97
Weather Forecasts, J. G. DAVIDSON, 479
Weight Deviation, T. I. EDWARDS, 50
WEISS, P., Training of Biologists, 32
WELLS, W. F., Quantitative Vaporizer, 609
Westinghouse Research Fellows, 571
WESTON, W. H., Petri Dish Holder, 415
WHITE, P. R., Stomates, 171; "Vegetable Dynamicks" and Plant Tissue Cultures, 520
WILLARD, A. C., University and the War, 372
WILLCOX, W. F., Federal Reapportionment, 501
WILLIAMS, R. J., Vitamins in the Future, 340
WILLIAMS, R. R., Vitamins in the Future, 335
WILLIAMS, W. O., A Sensitive Humidistat, 283
WILSON, E. B., Norms of Growth, 112
WINTER, J. E., Experimental Psychology, 96
WOODBURY, A. M., Man's Biological Future, 121
Worlds, Life on the Other, J. JEANS, 589

X-rays from Radio Tubes, H. C. BRINKER, 634

ZECHMEISTER, L. and A. L. LEROSEN, Stereochemistry of Diphenylpolyenes, 587
ZENTMYER, G. A., Toxin Formation, 512
ZERBAN, F. W. and L. SATTLER, Unfermentable Reducing Substances in Molasses, 647
Zoological Society, New York, 450; San Diego, 451